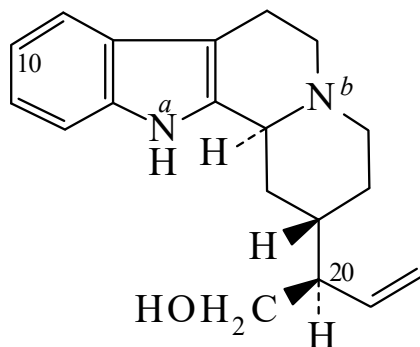




>>Entry Name: Antirhine

Synonym(s): Rhazinine



Absolute
configuration

CAS Registry Number: 16049-28-8

Molecular Formula: C₁₉H₂₄N₂O

Molecular Weight: 296.411

Accurate Mass: 296.188863

Percentage Composition: C 76.99%; H 8.16%; N 9.45%; O 5.40%

>>Variant: *natural*-form

Molecular Formula: C₁₉H₂₄N₂O

Molecular Weight: 296.411

Accurate Mass: 296.188863

Percentage Composition: C 76.99%; H 8.16%; N 9.45%; O 5.40%

Biological Source: Alkaloid from *Antirhea putaminosa* (Rubiaceae), *Rhazya stricta*, *Catharanthus longifolius* and some other spp. in the Apocynaceae

Melting Point: Mp 115-116°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -2$ (+4) (CHCl₃)

>>Derivative: Hydrochloride

Melting Point: Mp 220°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +2$ (EtOH)

>>Derivative: *N*^α-Me, chloride

Source/Synthesis: Synthetic

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 325-328 dec.°

Optical Rotation: $[\alpha]_{\text{D}} -17.9$ (c, 0.27 in MeOH aq.)

>>Derivative: *N*^α-Me, iodide

Source/Synthesis: Synthetic

Melting Point: Mp 288-290 dec.°

Optical Rotation: $[\alpha]_{\text{D}} -24.4$ (c, 0.1 in EtOH)

>>Derivative: *N*^β-Me

Synonym(s): Antirhine β-*N*-methosalt

Molecular Formula: C₂₀H₂₇N₂O⁽⁺⁾

Molecular Weight: 311.446

Accurate Mass: 311.212338

Percentage Composition: C 77.13%; H 8.74%; N 8.99%; O 5.14%

Biological Source: Quaternary alkaloid from *Hunteria eburnea*, *Amsonia elliptica* and *Strychnos camptoneura* (Apocynaceae, Strychnaceae)

Physical Description: Cryst. (EtOH) (as chloride)

Melting Point: Mp 306 dec.° (chloride)

Optical Rotation: $[\alpha]_{\text{D}} +75$ (c, 0.04 in EtOH)